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Morbidity and Mortality

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WEEKLY REPORT

For Week Ending December 13, 1969

U.S. DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE / PUBLIC HEALTH SERVICE / HEALTH SERVICES AND MENTAL HEALTH ADMINISTRATION

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EPIDEMIOLOGIC NOTES AND REPORTS
SERUM HEPATITIS – Savannah, Georgia

In Savannah, Georgia, since late November 1969, two teenagers have died with fulminating hepatitis, probably related to parenteral inoculation of narcotics with unsterile needles. After these deaths, the incidence of narcotics-associated hepatitis in Savannah was investigated. A total of 56 cases with onset in 1969 were uncovered (Figure 1).

Of these 56 cases, 24 were found by review of hospital records, nine by reports from community physicians, and 23 by interviews with 70 narcotics users in Savannah. The 70 drug users attended a special clinic set up during the investigation and were part of a group of approximately 100 teenagers who frequently shared needles. Of the 70 persons, 31 had clinical histories compatible with hepatitis or had abnormal liver function studies (23 nonhospitalized and the eight hospitalized). Serum from six of the 31 demonstrated Australia antigen, and serum from one had anti-Australia antibody (Table 1). The other 39 had no clinical or laboratory evidence of hepatitis or Australia antigen.

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TABLE I. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES
(Cumulative totals include revised and delayed reports through previous weeks)

DISEASE	50th WEEK ENDED		MEDIAN	CUMULATIVE, FIRST 50 WEEKS		
	December 13, 1969	December 14, 1968	1964 - 1968	1969	1968	MEDIAN 1964 - 1968
Aseptic meningitis	48	55	35	3,410	4,249	2,867
Brucellosis	2	1	4	221	221	240
Diphtheria	5	5	5	192	235	199
Encephalitis, primary:						
Arthropod-borne & unspecified	29	37	32	1,280	1,400	1,832
Encephalitis, post-infectious	9	4	9	295	452	698
Hepatitis, serum	124	107	758	5,145	4,538	36,394
Hepatitis, infectious	1,119	936		46,366	44,078	
Malaria	42	56	24	3,075	2,288	496
Measles (rubeola)	597	263	1,437	23,724	22,067	200,780
Meningococcal infections, total	58	59	59	2,819	2,460	2,683
Civilian	53	47	- - -	2,577	2,249	- - -
Military	5	12	- - -	242	211	- - -
Mumps	2,427	2,386	- - -	84,662	144,746	- - -
Poliomyelitis, total	–	–	–	17	57	60
Paralytic	–	–	–	15	57	57
Rubella (German measles)	549	357	- - -	54,111	47,728	- - -
Streptococcal sore throat & scarlet fever	11,390	11,623	8,887	410,193	415,339	404,864
Tetanus	7	2	4	162	156	223
Tularemia	4	3	3	140	169	176
Typhoid fever	10	12	4	328	394	394
Typhus, tick-borne (Rky. Mt. spotted fever)	1	–	–	450	277	260
Rabies in animals	63	60	64	3,199	3,257	4,068

TABLE II. NOTIFIABLE DISEASES OF LOW FREQUENCY

	Cum.		Cum.
Anthrax:	4	Rabies in man:	1
Botulism:	12	Rubella congenital syndrome:	15
Leptospirosis:	83	Trichinosis:	177
Plague:	5	Typhus, murine:	48
Psittacosis: * Calif.-1, N.Y.C.-2	49		

*Delayed reports: Psittacosis: Pa. delete 1

SERUM HEPATITIS – *(Continued from front page)*

Figure 1
56 NARCOTICS-ASSOCIATED CASES OF HEPATITIS
BY MONTH OF ONSET
SAVANNAH, GEORGIA – 1969

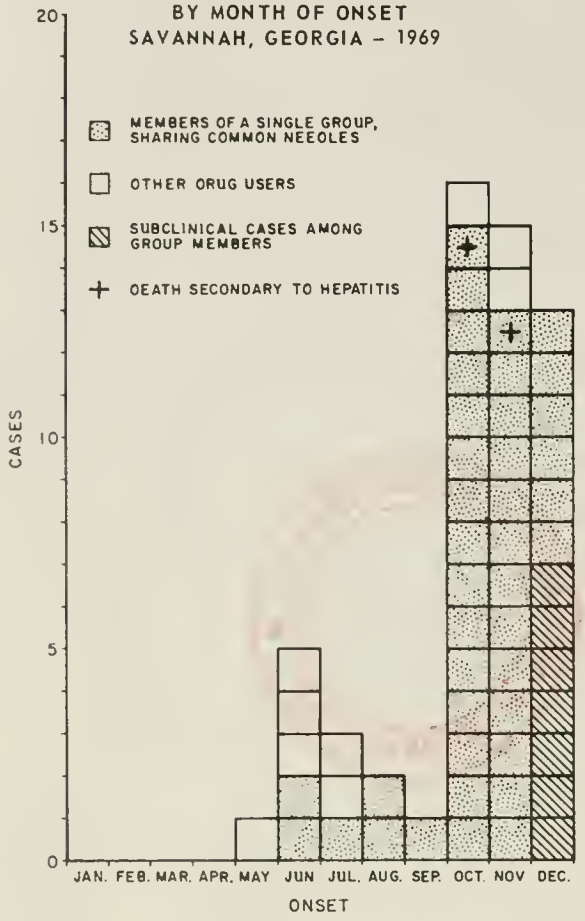

Table 1
Narcotics-Associated Hepatitis Cases
Savannah, Georgia – 1969

Method of Identification	Number Cases	Number Tested for Au Antigen*	Number Positive	Percent
Hospital Records	24**	8	2	25
Interview and Laboratory Data	23	23	4	17
Physician Records	9	0	0	0
Total	56	31	6	19

*Australia antigen, tested by agar gel diffusion technique.
**Eight hospitalized patients were also interviewed at special clinic.

Of the total 56 narcotics-associated cases uncovered, 47 (including the two fatal cases) were in Caucasians and nine were in Negroes. The 47 were close friends and were part of the previously mentioned 100 teenagers. The 32 boys and 15 girls ranged in age from 14 to 20 years (mean 17.5 years). Most had used drugs parenterally for approximately 3 months (range 2 to 12 months), and all had been familiar with marijuana for 1 to 3 years. The majority (28 of 32 questioned) identified with the middle socioeconomic class in their community, two with the upper class, and two with the lower.

(Reported by John E. McCroan, Ph.D., Director of Epidemiologic Investigations Branch, and an Assistant Epidemiologist, Georgia State Department of Public Health; Wilbur D. Lundquist, M.D., District Director of Public Health, Chatham County, Georgia; Enteric Virology Unit, Laboratory Division, NCDC; and two EIS Officers.)

CURRENT TRENDS
INFLUENZA – United States

During the week ending December 13, 1969, all state health departments were contacted to survey the present level of influenza activity. Although many states reported seasonal increases in upper respiratory illnesses, there were few reports of outbreaks of influenza-like illness.

Laboratory-confirmed outbreaks of influenza have occurred in Alaska (see accompanying story) and in Puerto Rico, where there have been several small scattered outbreaks. Laboratory confirmation in Puerto Rico is based on fourfold rises in hemagglutination-inhibition antibody titer. In both Alaska and Puerto Rico, the etiologic agent is an A2/Hong Kong-like virus.

Small outbreaks of influenza-like illness, for which there has been no laboratory confirmation as yet, have occurred in three counties in West Virginia and in Des Moines, Iowa.

This fall and winter, there has been no sustained excess mortality due to pneumonia-influenza in the 122 U.S. cities reporting (Figure 2).

(Reported by Donald K. Freedman, M.D., Director, Division of Public Health, Alaska Department of Health and Welfare; S. L. Hendricks, D.V.M., Acting Director, Division of Preventive Medical Services, Iowa State Department of Health; Dr. Raphael Correa-Coronas, Auxiliary Secretary of Health for Preventive Medicine, Puerto Rico Department of Health; and N. Allen Dyer, M.D., State Director of Health, West Virginia State Department of Health; and the Statistical Services Activity and Viral Diseases Branch, Epidemiology Program, NCDC.)

Figure 2
PNEUMONIA-INFLUENZA DEATHS IN 122 UNITED STATES CITIES

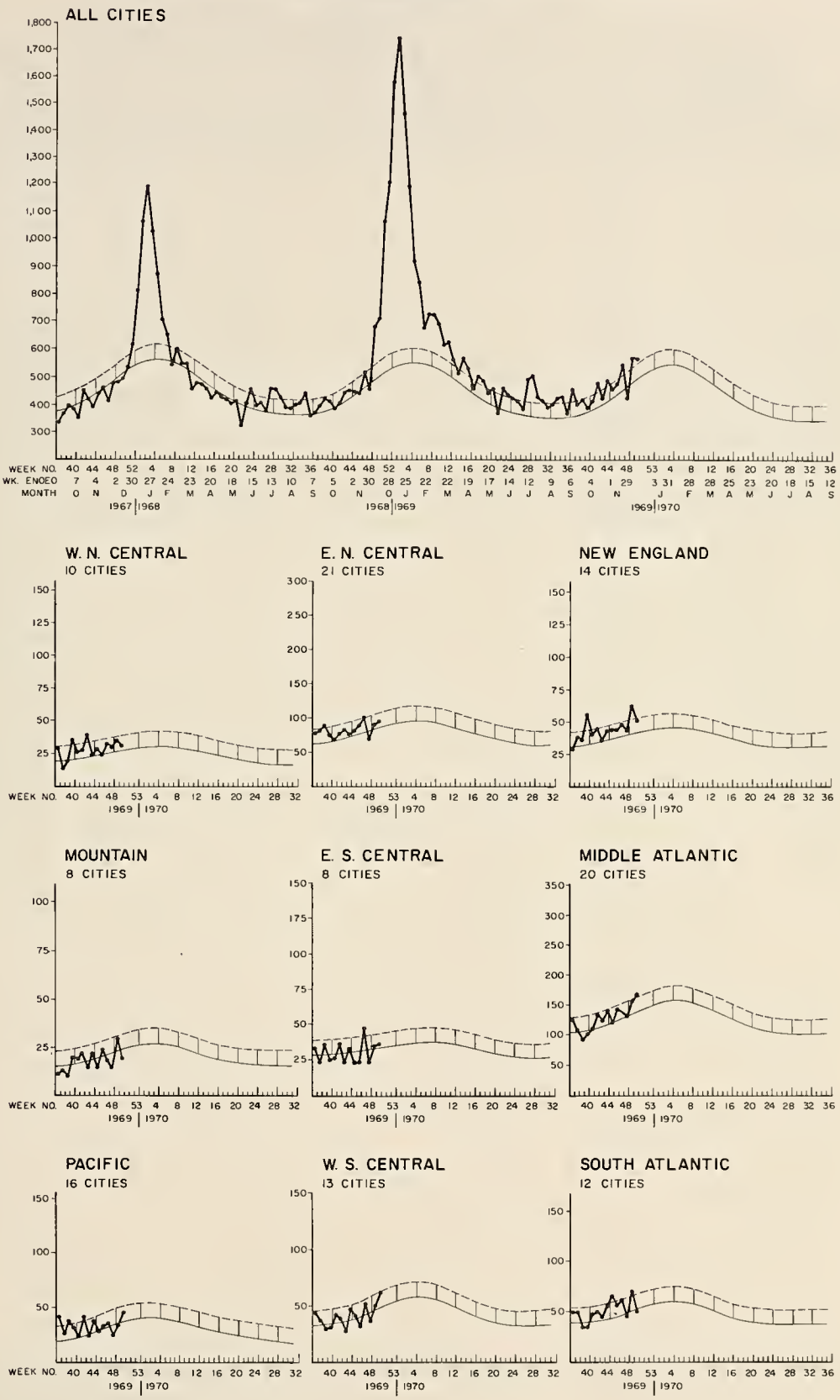

TABLE III. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES

FOR WEEKS ENDED

DECEMBER 13, 1969 AND DECEMBER 14, 1968 (50th WEEK)

AREA	ASEPTIC MENIN-GITIS	BRUCEL-LOSIS	DIPHTHERIA	ENCEPHALITIS			HEPATITIS			MALARIA	
				Primary including unsp. cases		Post-Infectious	Serum	Infectious			
	1969	1969	1969	1969	1968	1969	1969	1969	1968	1969	Cum. 1969
UNITED STATES...	48	2	5	29	37	9	124	1,119	936	42	3,075
NEW ENGLAND.....	2	–	–	1	1	–	6	111	73	4	98
Maine.....	1	–	–	–	–	–	–	18	12	1	8
New Hampshire*.....	–	–	–	–	–	–	–	4	4	–	2
Vermont.....	–	–	–	–	–	–	–	4	3	–	–
Massachusetts.....	–	–	–	–	1	–	4	67	32	1	60
Rhode Island.....	1	–	–	1	–	–	–	8	8	1	11
Connecticut.....	–	–	–	–	–	–	2	10	14	1	17
MIDDLE ATLANTIC.....	7	1	–	5	3	4	44	171	188	3	368
New York City.....	2	1	–	1	1	–	26	52	69	1	26
New York, up-State.	–	–	–	–	–	–	6	32	29	–	80
New Jersey.....	3	–	–	–	–	–	5	36	42	–	151
Pennsylvania.*.....	2	–	–	4	2	4	7	51	48	2	111
EAST NORTH CENTRAL...	6	–	–	10	13	2	26	245	154	6	320
Ohio.....	2	–	–	7	9	2	6	57	33	1	30
Indiana.....	–	–	–	–	1	–	–	22	13	1	27
Illinois.....	2	–	–	2	–	–	4	67	34	4	196
Michigan.....	2	–	–	1	3	–	16	89	53	–	66
Wisconsin.....	–	–	–	–	–	–	–	10	21	–	1
WEST NORTH CENTRAL...	4	–	–	2	1	–	5	34	44	6	221
Minnesota.....	3	–	–	–	1	–	4	5	11	–	14
Iowa.....	–	–	–	–	–	–	–	12	9	–	25
Missouri.....	–	–	–	–	–	–	–	2	8	–	45
North Dakota.....	1	–	–	–	–	–	–	1	1	–	4
South Dakota.....	–	–	–	–	–	–	–	–	3	1	2
Nebraska.....	–	–	–	2	–	–	–	2	2	–	4
Kansas.....	–	–	–	–	–	–	1	12	10	5	127
SOUTH ATLANTIC.....	5	–	2	1	4	–	4	75	99	4	775
Delaware.....	–	–	–	–	–	–	–	–	3	–	5
Maryland.....	1	–	–	–	1	–	1	12	18	1	34
Dist. of Columbia..	–	–	–	–	–	–	1	–	1	–	2
Virginia.....	–	–	–	–	1	–	–	13	14	–	27
West Virginia.....	–	–	–	–	1	–	–	9	11	–	4
North Carolina.....	1	–	–	1	–	–	–	15	16	–	311
South Carolina.....	1	–	–	–	1	–	–	5	8	–	64
Georgia.....	–	–	–	–	–	–	–	6	19	3	277
Florida.....	2	–	2	–	–	–	2	15	9	–	51
EAST SOUTH CENTRAL...	3	–	–	1	2	–	2	98	62	–	181
Kentucky.*.....	–	–	–	–	–	–	1	56	28	–	152
Tennessee.....	–	–	–	–	–	–	1	26	10	–	–
Alabama.....	–	–	–	–	–	–	–	7	13	–	25
Mississippi.....	3	–	–	1	2	–	–	9	11	–	4
WEST SOUTH CENTRAL...	3	–	2	1	2	1	1	58	61	11	274
Arkansas.*.....	–	–	–	–	–	–	–	–	6	–	13
Louisiana.....	–	–	2	1	1	1	–	12	10	–	46
Oklahoma..*.....	–	–	–	–	–	–	–	7	17	2	79
Texas.....	3	–	–	–	1	–	1	39	28	9	136
MOUNTAIN.....	3	–	–	1	–	–	2	50	12	–	138
Montana.....	–	–	–	–	–	–	–	1	1	–	3
Idaho.....	–	–	–	–	–	–	–	3	1	–	5
Wyoming.*.....	–	–	–	–	–	–	–	3	1	–	–
Colorado.....	3	–	–	1	–	–	2	12	–	–	112
New Mexico.....	–	–	–	–	–	–	–	11	–	–	9
Arizona.....	–	–	–	–	–	–	–	15	1	–	1
Utah.....	–	–	–	–	–	–	–	4	8	–	1
Nevada.....	–	–	–	–	–	–	–	1	–	–	7
PACIFIC.....	15	1	1	7	11	2	34	277	243	8	700
Washington.....	1	–	–	–	–	–	2	56	28	–	7
Oregon.....	–	–	1	1	–	–	–	18	19	–	18
California.....	14	1	–	6	11	2	32	201	191	8	540
Alaska.....	–	–	–	–	–	–	–	1	2	–	4
Hawaii.....	–	–	–	–	–	–	–	1	3	–	131
Puerto Rico.*.....	–	–	–	–	–	–	–	21	8	–	4

*Delayed reports: Aseptic meningitis: Ark. 2
Brucellosis: Okla. 1
Encephalitis, post-infectious: Pa. delete 1
Hepatitis, infectious: N.H. 1, Wyo. 1, P.R. 1
Malaria: Ky. 23

TABLE III. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES

FOR WEEKS ENDED

DECEMBER 13, 1969 AND DECEMBER 14, 1968 (50th WEEK) - CONTINUED

AREA	MEASLES (Rubeola)			MENINGOCOCCAL INFECTIONS, TOTAL			MUMPS	POLIOMYELITIS			RUBELLA
		Cumulative			Cumulative			Total	Paralytic		
	1969	1969	1968	1969	1969	1968	1969	1969	1969	Cum. 1969	1969
UNITED STATES...	597	23,724	22,067	58	2,819	2,460	2,427	–	–	15	549
NEW ENGLAND.....	11	1,197	1,299	1	108	139	247	–	–	2	18
Maine.....	–	9	38	–	8	6	49	–	–	1	4
New Hampshire.....	1	245	150	1	5	8	24	–	–	–	2
Vermont.....	–	3	3	–	–	1	3	–	–	–	–
Massachusetts.*....	10	258	382	–	41	74	66	–	–	–	5
Rhode Island.....	–	27	55	–	14	9	32	–	–	–	1
Connecticut.....	–	655	671	–	40	41	73	–	–	1	6
MIDDLE ATLANTIC.....	45	7,907	4,632	13	468	433	130	–	–	2	26
New York City.....	5	5,016	2,384	2	89	89	102	–	–	–	9
New York, Up-State.	5	625	1,363	2	91	72	NN	–	–	1	4
New Jersey.....	10	1,071	701	7	183	152	28	–	–	–	2
Pennsylvania.....	25	1,195	184	2	105	120	NN	–	–	1	11
EAST NORTH CENTRAL...	212	2,950	4,173	9	382	309	656	–	–	1	192
Ohio.....	14	525	329	2	138	84	92	–	–	–	18
Indiana.....	5	483	730	2	52	44	90	–	–	–	10
Illinois.....	154	884	1,430	2	54	70	78	–	–	1	26
Michigan.....	29	394	328	3	111	89	117	–	–	–	82
Wisconsin.....	10	664	1,356	–	27	22	279	–	–	–	56
WEST NORTH CENTRAL...	122	1,114	453	2	139	138	148	–	–	1	42
Minnesota.....	1	11	19	–	29	29	2	–	–	–	3
Iowa.....	–	338	146	–	21	14	125	–	–	–	28
Missouri.....	1	32	81	–	56	48	8	–	–	–	–
North Dakota.....	26	77	138	–	2	4	6	–	–	–	4
South Dakota.....	–	3	4	–	1	5	NN	–	–	–	–
Nebraska.*.....	94	644	55	2	13	9	7	–	–	–	6
Kansas.....	–	9	10	–	17	29	–	–	–	1	1
SOUTH ATLANTIC.....	87	2,946	1,797	5	482	492	172	–	–	1	37
Delaware.....	37	508	19	–	17	12	–	–	–	–	–
Maryland.....	–	93	103	–	41	44	16	–	–	–	2
Dist. of Columbia..	–	35	6	–	9	17	4	–	–	–	1
Virginia.....	41	991	428	1	58	48	36	–	–	–	13
West Virginia.....	1	225	326	–	24	14	71	–	–	–	10
North Carolina.....	8	354	321	1	89	98	NN	–	–	–	1
South Carolina.....	–	134	28	1	64	63	2	–	–	–	–
Georgia.....	–	2	4	1	78	93	1	–	–	–	–
Florida.....	–	604	562	1	102	103	42	–	–	1	10
EAST SOUTH CENTRAL...	5	131	506	3	204	219	103	–	–	1	7
Kentucky.*.....	5	75	106	–	81	98	30	–	–	–	1
Tennessee.....	–	21	64	1	75	68	67	–	–	–	6
Alabama.....	–	11	95	1	28	28	5	–	–	1	–
Mississippi.....	–	24	241	1	20	25	1	–	–	–	–
WEST SOUTH CENTRAL...	65	5,123	5,268	10	372	355	171	–	–	6	47
Arkansas.....	–	16	2	–	33	21	1	–	–	–	–
Louisiana.....	–	125	25	2	100	100	–	–	–	–	–
Oklahoma.....	1	143	130	–	36	56	15	–	–	–	–
Texas.....	64	4,839	5,111	8	203	178	155	–	–	6	47
MOUNTAIN.....	25	1,141	1,087	–	59	45	83	–	–	–	44
Montana.....	14	122	58	–	8	6	12	–	–	–	13
Idaho.....	–	90	21	–	13	12	2	–	–	–	2
Wyoming.....	–	–	55	–	–	3	–	–	–	–	5
Colorado.....	–	141	525	–	13	14	25	–	–	–	10
New Mexico.....	2	286	164	–	8	1	8	–	–	–	2
Arizona.....	9	490	235	–	10	5	23	–	–	–	5
Utah.....	–	11	21	–	5	1	13	–	–	–	7
Nevada.....	–	1	8	–	2	3	–	–	–	–	–
PACIFIC.....	25	1,215	2,852	15	605	330	717	–	–	1	136
Washington.....	1	68	601	2	59	51	481	–	–	–	51
Oregon.....	1	201	588	1	22	25	25	–	–	–	7
California.....	17	880	1,617	12	503	236	149	–	–	1	43
Alaska.....	–	14	11	–	11	4	29	–	–	–	29
Hawaii.....	6	52	35	–	10	14	33	–	–	–	6
Puerto Rico.....	111	2,096	499	–	19	20	41	–	–	–	2

*Delayed reports: Measles: Mass. delete 1, Nebr. 20
Meningococcal infections: Ky. 23

TABLE III. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES

FOR WEEKS ENDED

DECEMBER 13, 1969 AND DECEMBER 14, 1968 (50th WEEK) - CONTINUED

AREA	STREPTOCOCCAL SORE THROAT & SCARLET FEVER	TETANUS		TULAREMIA		TYPHOID FEVER		*TYPHUS FEVER TICK-BORNE (Rky. Mt. Spotted)		RABIES IN ANIMALS	
	1969	1969	Cum. 1969	1969	Cum. 1969	1969	Cum. 1969	1969	Cum. 1969	1969	Cum. 1969
UNITED STATES...	11,390	7	162	4	140	10	328	1	450	63	3,199
NEW ENGLAND.....	1,256	–	1	–	16	–	16	–	1	1	55
Maine.....	–	–	–	–	–	–	1	–	–	–	6
New Hampshire.....	40	–	–	–	–	–	–	–	–	–	5
Vermont.....	–	–	–	–	16	–	–	–	–	1	33
Massachusetts.....	209	–	1	–	–	–	8	–	1	–	3
Rhode Island.....	53	–	–	–	–	–	1	–	–	–	–
Connecticut.....	954	–	–	–	–	–	6	–	–	–	8
MIDDLE ATLANTIC.....	573	1	23	–	5	–	31	–	47	13	247
New York City.....	20	–	14	–	1	–	17	–	–	–	–
New York, Up-State.	401	–	3	–	4	–	6	–	7	13	233
New Jersey.....	NN	–	3	–	–	–	3	–	15	–	–
Pennsylvania.....	152	1	3	–	–	–	5	–	25	–	14
EAST NORTH CENTRAL...	1,101	–	19	1	18	–	36	–	3	4	232
Ohio.....	219	–	4	–	–	–	13	–	–	2	76
Indiana.....	154	–	–	1	6	–	–	–	–	–	56
Illinois.....	168	–	10	–	5	–	16	–	3	–	40
Michigan.....	449	–	5	–	–	–	6	–	–	–	9
Wisconsin.....	111	–	–	–	7	–	1	–	–	2	51
WEST NORTH CENTRAL...	526	1	14	–	14	–	10	–	8	9	606
Minnesota.....	15	1	6	–	–	–	4	–	–	3	164
Iowa.....	176	–	–	–	–	–	1	–	7	2	100
Missouri.....	26	–	4	–	10	–	3	–	–	3	145
North Dakota.....	171	–	–	–	–	–	–	–	–	1	72
South Dakota.....	30	–	–	–	–	–	–	–	1	–	43
Nebraska.....	66	–	–	–	1	–	1	–	–	–	14
Kansas.....	42	–	4	–	3	–	1	–	–	–	68
SOUTH ATLANTIC.....	942	2	30	–	23	–	50	–	253	17	760
Delaware.....	20	–	–	–	1	–	2	–	3	–	–
Maryland.....	138	–	1	–	–	–	4	–	48	–	3
Dist. of Columbia..	3	–	2	–	–	–	3	–	–	–	–
Virginia.....	370	1	2	–	4	–	1	–	81	3	371
West Virginia.....	221	–	1	–	2	–	2	–	5	5	111
North Carolina.....	NN	–	3	–	6	–	11	–	67	–	5
South Carolina.....	37	–	1	–	2	–	1	–	32	–	–
Georgia.....	8	1	8	–	4	–	11	–	16	7	100
Florida.....	145	–	12	–	4	–	15	–	1	2	170
EAST SOUTH CENTRAL...	1,865	2	25	1	15	4	51	–	65	3	391
Kentucky.....	168	–	7	–	–	3	12	–	13	2	201
Tennessee.....	1,199	–	4	1	14	1	21	–	43	1	131
Alabama.....	194	1	8	–	–	–	4	–	6	–	53
Mississippi.....	304	1	6	–	1	–	14	–	3	–	6
WEST SOUTH CENTRAL...	860	–	30	1	25	1	35	1	51	8	463
Arkansas.....	33	–	2	–	5	–	14	–	7	–	33
Louisiana.....	6	–	7	1	5	–	4	–	–	1	40
Oklahoma*.....	3	–	1	–	9	–	–	1	32	2	70
Texas.....	818	–	20	–	6	1	17	–	12	5	320
MOUNTAIN.....	3,058	–	7	–	18	–	32	–	17	1	123
Montana.....	44	–	1	–	–	–	3	–	–	–	–
Idaho.....	217	–	–	–	–	–	4	–	6	–	–
Wyoming.*.....	136	–	–	–	4	–	5	–	–	–	55
Colorado.....	2,022	–	2	–	–	–	3	–	9	–	3
New Mexico.....	294	–	–	–	1	–	10	–	–	1	22
Arizona.....	184	–	4	–	–	–	6	–	–	–	22
Utah.....	161	–	–	–	13	–	–	–	2	–	5
Nevada.....	–	–	–	–	–	–	1	–	–	–	16
PACIFIC.....	1,209	1	13	1	6	5	67	–	5	7	322
Washington.....	852	–	1	–	2	1	3	–	3	–	4
Oregon.....	172	–	–	1	2	–	6	–	–	–	4
California.....	---	1	12	–	2	1	49	–	2	7	314
Alaska.....	43	–	–	–	–	–	–	–	–	–	–
Hawaii.....	142	–	–	–	–	3	9	–	–	–	–
Puerto Rico.....	–	–	13	–	–	–	7	–	–	–	29

*Delayed reports: SST: Wyo. 9
Tularemia: Okla. 1

Week No. 50

TABLE IV. DEATHS IN 122 UNITED STATES CITIES FOR WEEK ENDED DECEMBER 13, 1969

(By place of occurrence and week of filing certificate. Excludes fetal deaths)

Area	All Causes		Pneumonia and Influenza	Under 1 year
	All Ages	65 years and over	All Ages	All Causes
NEW ENGLAND:	806	499	51	26
Boston, Mass.	248	136	11	7
Bridgeport, Conn.	48	31	2	1
Cambridge, Mass.	28	23	3	–
Fall River, Mass.	30	22	–	1
Hartford, Conn.	75	45	2	1
Lowell, Mass.	35	16	2	1
Lynn, Mass.	19	12	3	1
New Bedford, Mass.	33	20	2	–
New Haven, Conn.	59	35	4	4
Providence, R. I.	55	33	9	5
Somerville, Mass.	18	13	1	–
Springfield, Mass.	55	37	7	3
Waterbury, Conn.	32	26	–	1
Worcester, Mass.	71	50	5	1
MIDDLE ATLANTIC:	3,706	2,159	170	153
Albany, N. Y.	70	45	5	4
Allentown, Pa.	47	32	1	4
Buffalo, N. Y.	159	104	4	8
Camden, N. J.	52	27	3	2
Elizabeth, N. J.	34	23	1	–
Erie, Pa.	45	28	4	–
Jersey City, N. J.	96	52	8	8
Newark, N. J.	95	55	8	7
New York City, N. Y.	1,765	1,023	78	70
Paterson, N. J.	46	31	3	6
Philadelphia, Pa.	601	323	11	19
Pittsburgh, Pa.	227	122	12	9
Reading, Pa.	57	35	5	1
Rochester, N. Y.	126	87	2	3
Schenectady, N. Y.	22	14	2	–
Scranton, Pa.	53	31	3	2
Syracuse, N. Y.	79	44	2	7
Trenton, N. J.	52	25	5	2
Utica, N. Y.	34	28	8	–
Yonkers, N. Y.	46	30	5	1
EAST NORTH CENTRAL:	2,812	1,610	95	147
Akron, Ohio	60	33	–	1
Canton, Ohio	43	27	2	4
Chicago, Ill.	771	411	25	48
Cincinnati, Ohio	156	111	6	6
Cleveland, Ohio	234	139	4	4
Columbus, Ohio	129	69	1	2
Dayton, Ohio	79	45	3	5
Detroit, Mich.	391	192	7	29
Evansville, Ind.	68	44	2	2
Flint, Mich.	56	29	3	7
Fort Wayne, Ind.	53	31	4	5
Gary, Ind.	27	20	5	1
Grand Rapids, Mich.	59	38	4	4
Indianapolis, Ind.	162	95	5	11
Madison, Wis.	40	22	5	3
Milwaukee, Wis.	164	101	4	3
Peoria, Ill.	37	24	–	3
Rockford, Ill.	35	25	2	2
South Bend, Ind.	41	24	4	2
Toledo, Ohio	126	78	5	4
Youngstown, Ohio	81	52	4	1
WEST NORTH CENTRAL:	870	539	31	35
Des Moines, Iowa	47	27	3	2
Duluth, Minn.	30	18	3	–
Kansas City, Kans.	48	23	4	5
Kansas City, Mo.	151	85	1	7
Lincoln, Nebr.	36	29	2	–
Minneapolis, Minn.	108	71	4	3
Omaha, Nebr.	71	49	4	–
St. Louis, Mo.	258	150	2	16
St. Paul, Minn.	67	54	3	–
Wichita, Kans.	54	33	5	2
Las Vegas, Nev.*	15	5	4	4

Area	All Causes		Pneumonia and Influenza	Under 1 year
	All Ages	65 years and over	All Ages	All Causes
SOUTH ATLANTIC:	1,332	677	51	61
Atlanta, Ga.	148	60	9	11
Baltimore, Md.	247	130	9	12
Charlotte, N. C.	48	24	–	4
Jacksonville, Fla.	144	63	3	7
Miami, Fla.	122	61	–	7
Norfolk, Va.	68	32	5	1
Richmond, Va.	81	51	3	1
Savannah, Ga.	52	21	5	1
St. Petersburg, Fla.	109	78	1	3
Tampa, Fla.	64	35	7	5
Washington, D. C.	197	96	5	5
Wilmington, Del.	52	26	4	4
EAST SOUTH CENTRAL:	708	377	37	45
Birmingham, Ala.	118	61	2	9
Chattanooga, Tenn.	59	39	7	3
Knoxville, Tenn.	33	20	1	2
Louisville, Ky.	148	79	19	6
Memphis, Tenn.	173	97	4	12
Mobile, Ala.	43	26	2	2
Montgomery, Ala.	34	15	2	1
Nashville, Tenn.	100	40	–	10
WEST SOUTH CENTRAL:	1,391	743	62	86
Austin, Tex.	53	35	12	1
Baton Rouge, La.	58	28	1	6
Corpus Christi, Tex.	42	22	2	3
Dallas, Tex.	203	106	7	14
El Paso, Tex.	65	27	4	15
Fort Worth, Tex.	92	48	3	2
Houston, Tex.	255	131	2	14
Little Rock, Ark.	66	30	2	4
New Orleans, La.	179	98	9	8
Oklahoma City, Okla.	85	43	2	3
San Antonio, Tex.	127	73	3	8
Shreveport, La.	77	43	9	6
Tulsa, Okla.	89	59	6	2
MOUNTAIN:	458	265	19	24
Albuquerque, N. Mex.	40	26	5	3
Colorado Springs, Colo.	17	11	1	3
Denver, Colo.	116	74	2	3
Ogden, Utah	25	13	5	2
Phoenix, Ariz.	108	56	1	7
Pueblo, Colo.	21	13	–	–
Salt Lake City, Utah	80	45	3	4
Tucson, Ariz.	51	27	2	2
PACIFIC:	1,819	1,084	46	76
Berkeley, Calif.	19	13	–	–
Fresno, Calif.	52	30	1	6
Glendale, Calif.	46	31	1	–
Honolulu, Hawaii	51	28	1	4
Long Beach, Calif.	110	59	5	1
Los Angeles, Calif.	480	298	13	12
Oakland, Calif.	106	66	1	3
Pasadena, Calif.	47	38	2	1
Portland, Oreg.	188	111	8	6
Sacramento, Calif.	75	48	5	1
San Diego, Calif.	107	60	2	4
San Francisco, Calif.	178	91	3	13
San Jose, Calif.	44	27	2	5
Seattle, Wash.	172	100	2	12
Spokane, Wash.	83	45	–	7
Tacoma, Wash.	61	39	–	1
Total	13,902	7,953	562	653
Expected Number	13,122	7,650	484	544
Cumulative Total (includes reported corrections for previous weeks)	648,409	370,737	28,746	30,831

*Mortality data are being collected from Las Vegas, Nev., for possible inclusion in this table, however, for statistical reasons, these data will be listed only and not included in the total, expected number, or cumulative total, until 5 years of data are collected.

EPIDEMIOLOGIC NOTES AND REPORTS
INFLUENZA – Alaska

During the last 3 weeks, influenza-like illness has spread from the Anchorage metropolitan area to involve extensively many communities in the South Central and Northern regions and has largely spared the Southeastern region. Large outbreaks were reported between November 23 and December 6 in Homer, Anchor Point, and Minilchik. Further outbreaks between December 6 and 15 were reported in the Nome and Kotzebu area and in Fairbanks. Influenza activity has just begun in Bethel. School absenteeism reached 15-20 percent in Anchorage and Homer, both of which were involved with A2/Hong Kong/68 influenza in 1968. In Anchor Point and Minilchik, which were not involved in 1968, school absenteeism reached 30-40 percent. Virus isolates have been confirmed by the WHO International Influenza Center for the Americas as being similar to A2/Hong Kong/68. Extensive epidemiologic studies are in progress in the involved areas and include further attempts at virus isolation, serologic surveys, and intensive observation of certain populations vaccinated with the currently recommended vaccine strains.

(Reported by Donald K. Freedman, M.D., Director, Division of Public Health, Alaska Department of Health and Welfare; Paul Eneboe, M.D., Homer; Arctic Health Research Center, Environmental Control Administration, CPEHS, USDHEW, College, Alaska; and the Medical Epidemiologist, Ecological Investigations Program, Alaska Activities and Arctic Health Research Center.)

INTERNATIONAL NOTES
SMALLPOX ERADICATION PROGRAM
West and Central Africa

In November 1969, the 100 millionth smallpox vaccination was administered in the West and Central African Smallpox Eradication Program. The program, sponsored by the U.S. Agency for International Development and the National Communicable Disease Center, began vaccinations in January 1967, with the objective of eradicating smallpox in a 20-country area in West and Central Africa with a population of 119 million persons. The program has resulted in a dramatic reduction in smallpox incidence rates in these countries which in 1967 were the highest in the world. Since the first week of October 1969, there have been no reported smallpox cases in the 20-country area.

(Reported by the Smallpox Eradication Program, NCDC.)

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IN ADDITION TO THE ESTABLISHED PROCEDURES FOR REPORTING MORBIDITY AND MORTALITY, THE NATIONAL COMMUNICABLE DISEASE CENTER WELCOMES ACCOUNTS OF INTERESTING OUTBREAKS OR CASE INVESTIGATIONS WHICH ARE OF CURRENT INTEREST TO HEALTH OFFICIALS AND WHICH ARE DIRECTLY RELATED TO THE CONTROL OF COMMUNICABLE DISEASES. SUCH COMMUNICATIONS SHOULD BE ADDRESSED TO:

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NOTE: THE DATA IN THIS REPORT ARE PROVISIONAL AND ARE BASED ON WEEKLY TELEGRAMS TO THE NCDC BY THE INDIVIDUAL STATE HEALTH DEPARTMENTS. THE REPORTING WEEK CONCLUDES AT CLOSE OF BUSINESS ON FRIDAY; COMPILED DATA ON A NATIONAL BASIS ARE OFFICIALLY RELEASED TO THE PUBLIC ON THE SUCCEEDING FRIDAY

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